

## Anti-HLA-DR Antibody-FITC (4D493)

### Product Details

Ig Type:	Mouse IgG1
Reactivity:	Human
Conjugation:	FITC
Clone:	4D493

### Applications

Verified Activity:	Flow cytometric analysis of Human HLA-DR expression on human whole blood lymphocytes. Cells were stained with FITC-conjugated anti-Human HLA-DR. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of viable lymphocytes.
Application:	FCM
Recommended	1 µl/Test, 0.1 mg/ml

### Properties

Stability & Storage:	Store at 2°C-8°C for 12 months, do not freeze. Keep away from direct sunlight. Sodium azide is toxic to cells and should be disposed of properly. Flush with large volumes of water during disposal.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen:	0
Antigen Species:	Human

### Research Background

HLA-DR is a major histocompatibility complex (MHC) class II antigen presentation molecule, critical for the activation of lymphocytes and the orchestration of adaptive immune responses. HLA-DR is normally expressed on antigen-presenting cells including monocytes, macrophages, dendritic cells and B cells, but expression can be induced on epithelial cells and tumour cells in response to inflammatory conditions. MHC class II antigen presentation molecules are responsible for presentation of exogenous antigens to CD4+helper T cells. HLA-DR expression in tumours has been positively associated with enhanced lymphocytic infiltration. HLA-DR has been used as a surrogate marker of immune competence in various clinical studies, and its loss in circulation has been linked with susceptibility to post-surgical infection and sepsis.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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